an Inaugural Difertation Vetamed. Thomas Phivers fr. admitted March Att. 1820







In the following haper an ottamed & thall fire a being account of the Willing, Cymphone Canill, the various monder of histogrand, the various modes of histogrand that have been pumper for the come and lastly delived my ofinious man as to a far hash of hereing this many horible disease.

divided into different species, according to the frontier of the body when the degree of species when it the degree of species ; when the mudeles have been offeted that draw the head backward, they have called it Opithalans,

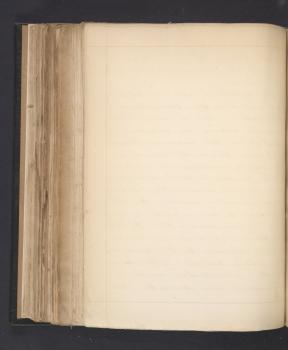


where the head is bent forward Empretholowers, and where we find the patient inclined to one side Pleasestholones. These distinctions are now properly exploded, and we shall here notice the discourse inder the two forms the Sociafiathie & eymplomatic. The first of these, is a very rose Housence in bemperate Elimates: a warm I maist almosphere is said to predispose to it; The second opecies is occasioned by weamon or buides; such as one supposed to lacerate the nerves, small lenders or liga ments - lack form of the disease is allended with the same hair of symplams, so that it would be imposible to dittin

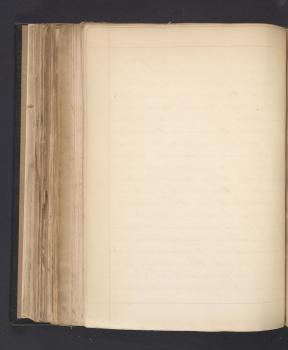


quich between the two species exupt by the previous history of the case.

This disease is not confined to Species, Cer, age, Compleyion or blimate - the it most commonly account in warm coun tried & in the warmest deasons of more temperate clima -By many anthow it is said to be more frequent among black than white people; this frequency of occurence among the black officer to me may be accounted for by considering that the black in those countries are much more exposed to the pudisposing Toxacting canded, after washing an the plantations, under a meridian oun thing the day



they often sleep at night, exposer to the heavy deed incident to those climatest That it is not canlined to the human species, we have many proofs, Rush, Marely and other have frequently been it attack the house; the disease may offect person of all ages, but It most fre quently attacks persons of a middle age, more bequently than the older on younger - The male sex more prequently than the finale; this may be accounter for by the farmer being more explosed to the exciting caused, such as vicibitudes of temperature night air, I to all the variety of external injurial which usually bring on the symptomatic species.



pursue of a rebust constitution one particularly beath to the inician, 8 the vicilence very to be in a since for partian to the shooth of the momentum file.

The attack of Fetamus waste, corner on suddenly & without any premanitary symptoms. It is sometime preceded by lasitude I uneasines, want of Heep, faintings & dimnes flight I in abmost every instance by costivenes, there is likewise a heculiar dejection of countenana from the very commencement of the attach "a countenance more in donner than in anger" getting as the disease advances, strongly of prefine of the most melancholy



The Oympland, set in mast commanly, according to Dr. bullen in the following manner, a serve of stiffness is felt at the back part of the nech, which gradually increasing, render the motion of the head difficulty painful; on the rigidity of the head come on & indicasos, there is commenty at the same line a sende of uneasines felt about the root of the longue, which by degrees becames a difficulty of sivallowing and at longth an entire interreption of it; while the eigenity of the nech goes on increasing, three arises a fraise Often birlent at the lower ena of the sterrum & from thence



hain arises, all the museles of the nech & harticularly those of the back hart of it are imme dialety affected with spasm, hulling the head strongly back wards; at the same time the modeled that full up the lower jain, which whom the first approaches of the disease were affected with some spartie rigidity, are now generally offeeled with more violent spasm, I set the teeth so closely, tryother that they do not ramit of the disease has advanced thus far, the hoin at the bottom of The steinem returns very frequents and with it the shortens



of the hind nech I lower law are senewed with violence and proceeds, a greater number of with shasms; after there of the nech, those along the whole length of the shine become utactel. Sending the trunk of the fode strangly backer aid. In the lower extremities, both the flexor I extender musoles are commonly at the same time affected with spasmed, so that the felly is strongly rehave ted I feels hard as a peace of board; at length the flexon of the head I trunk become to strangly affected as to balance the extendors & to hear the head



tended, incapable of bring moved in any way: I it is to that been strictly applied : at the same time the and little at extended the whole of the must ales belonging to them being allected with showing or cent Those which more the fingers, which often to the last retain some mobility; the tonque also with shasms, which affactions certain of its muscles only often thursts it violenthe out betweenthe teeth. At the height of the disease every organ of voluntary



the nest, the muscles of the face; funcers, the eyes sometimes I immovable in their sochots, the nose is drawn up & the cheeks are drown backwords to words the ears, so that the whole countenance expresses the most violent grinning. Under these universal spasmed a comeson't puts an end to life". Those speadows are every where attended with the most violent point, the utmost violence of spasm is however not constant, but after subsisting for a minute on two



the muscles admit of some remission of their contraction, altho of no such relaxation as can admit of the The belock in this complaint are most amerally costere: a dende of weight is gelt about the back It loins, the pulse not much ex cited, fuller, but soldom exceeding bighty pulsations in a min. ute, in the abscence of spasms the probe is little or nothing of fected; the red piration is ht times hunied, as if afterviolent exercise; The heat of the force rather above the untoralistana. and, the the extremities are colder than would. Imanghant the disease, there is a morbid sensibility to all



vanced stages, strong showing are tations of any substance solid on Unid to The like, so as at list rein to resemble a person affected blech is not enjoyed, not the ed to the very last stage of the shooks of a violent disternhow. every Lunction of the system is greatly disordered.

The Cause, which were farmerly expressed to produce



Setand some confined principally to severely, but It is now how he he produced by almost all the course that induce the discourse of produce the horizon courses are evidently thouse which produce abolity of the mustourse expensive, exactly in the mustourse expensive, exactly in the veneral expensive, exactly in the veneral expensive, exactly in the veneral exactly of also in the veneral

The Existing house in immed fall hinds, and there which happen in the hands of fest me expressed to produce it more readily than any their; I had been courted by would, by poisons alimentally canal, by poisons



substances taken into the steach, facturation, the sight of force offer land facting, the grading with produced by culting a perster force of a contained anotical fundament of the mine applies after the second heat I it sometimes says 2. That occurs is a symptom in the believe force, hydropholish.

It may where almost unusefsay to make any remark you the diagnosis of a disease, which is in general attended with such heartise symptoms, yet at it is often of the utmest consequence is according the nature of the disease befor it is com-



bletely formed, we will have from out some of these heculiarities which from those diseaser which it more Vetanus may be confounded with Hydrophobia; the Latter is accom parried with fever & a general increase of the heat of the body. vomiling is common at the commencement, whist in detamis there is not the slightest nausea, in Hydrophobia the patient is much agitated & performs every action in a huny, how there are intervals of ease not at all so evident in Catamus, where can tain muscles are rigidly ex= tended, with little intermision from the beginning; neither this



rejectly, nor the hardness in the other, in the other, in the other as to thing inspiration a so thing inspiration from precised the act of fraulting in totaring it is anticely other was a solute of the anticely other was a surface of the definion of the definion to be defined it precious, in totaring the definion of the designed, find seems perfectly, ratingued, find und stately the delicity of the designed, find

The Prognessis, in them, has hitherth been always most unfavourable. He anaisends considered this disease at incurable. It has been almost in general to be most fatal when



vising from a wound, than from any When course; D: L. Chalmer of so Carolina states, when "the disease forms very quickly & invades the unfortunale individual with the whole train of its mischevioussym toms in a fow hours, the dances is proportionate to the rapidity of the attack " I he observes " hatients thus seized, die in 24 36 or 48 hours I darely survive the third day, but behen the disease is less hairle, few are last after the 9th on 11th day. It lany thinks the danger may be estimated in proportion to the quickness of the fulle; De Marison observer an increased floor of Valina where merenny has on how not been used is to be regarded as



favourable. It now remains for me to men. tien, the most approved Preatment in this farmidable disease. Though the dyntomatic species may be allowed to be the more dangerous form, yet there can be no difference in the heatment of either, except what related to the wound on local injury, the cause of the disease; indeed when once it is cation for combiting such acom plaint. It is Common in warm climated, to apply to a newly received wound some Merhulating Substance as vil of Importine on the like; this with



the application of an emotient cataplason, so as to inchere free supportation, may be very proper as a mean of preventing any unpleasant effects that might otherwise ensue; for experience has shewn, that wounds from which there is a copious discharge of bland pris, are seldom or never followed by this disease; Deblock advises a slight affection of the mouth by morous for that hurhase. I symptoms of spasm det in of aley hast of the body, it might be hight to divide the before half divided nowe; all the means in our hower for being ing an suppuration are also now to be brought into



of far with respect to the local head ment ; if the general man different remedial are extilled by different authors; if these which seem to be preminently wiful, we shall mention the cold afusion, merous; spiale, wine tracks, the warm bath cathacters, blisters i limit paramous,

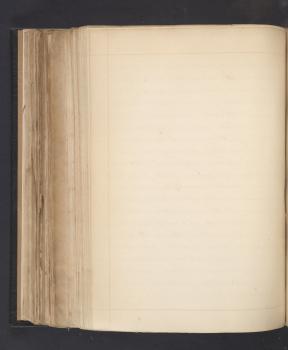
The application of cold water in the two was a very ancient how his proposed to the proposed to the proposed to the species of the decomposition of the decomposition of the decomposition of the symptomatic already fatal. It however never came that I however never came that when had souther a trader



on the diseases incident to warm dimates suggested the use of the remedy on the principal that as "the locked jair most frequently makes its oppearance in warm weather I in hot countries, would not a contrary state, that is cold, prove beneficial? an this onggottion it was ful in prac the by his friend De lefright of Jamoica; this gentleman has given a detailed account of half a dozen caped in which this timedy seemed to have the happinest offets, I the late ingenious Dr. Carrie weed cold affection with advantage & speaks highly of it in this sisease. D' Morlisal In the contrary, who has written a valuable heatise on this complaint, thinks that



cold affections have been too highly extolled. He observed "I must me from the we of cold water in this in some of there and conceived with enidently bad effects' he continues" from different conveda instances of the disease, not only in the colonies of South america but in several of the W. India Islands, I was led to conclude that the application of cold water, either by immersion on affection was anaderable gotting into



The difference of sentiment on this remedy may be owing perhaps gentlemen used it; it is allowed by all, that its beneficial effects Symptomatic as the Soispathie farm: I it is evident it can after the disease has gone so far as to autroy almost entirely the stringth of the partient, as it would be impossible for the system to react on the applica tion of such a stimulus, I the use of this remedy under these Mercury. It was naturally supe



hered that a medicine capable of bringing on that Sudden & new action his the constitution, a power lively to proper, would be likely to be one of the most farmidable combatants in this very districts ing disease. against the use of its effects on the constitution can seldem be brought about in time in a discove that mostly carries of the partient in three on four days, I that in these mila and lengthend confed, where it appears to be of service, the disease most perbably would have terminated hapfiely without its use In worker countries the disease is soldom so rapid, but that there



parties of this active mineral, & in climates where the disease was a more rapid course it ought never to be amited, as its use neither interfered with, nor prevents the administration of any other remody, Dr. Donald Maned speaks highly of mercury by unction till saliontion be produced as a medicine of great efficacy. It heid who has written a paper an Ostanus speaks very highly of marcuy, he imagines an effusion of water in the spinal canal is most generally the course of death in this Nikase, I that the meracurial preparations prevent this offusion on if formed, promote its absorption. Mercury says D. Marrison has been



employed in France of late years with great advantage, and Mates, I undoubtedly have had many. examples of the good effects ofen mercury in the one this disease. How growing of calound given two on three times a day, with two the three hackmis of the aintment well rubbed on the nech & spine night I morning I consider ex cellent practiced". The system iso Offinn, this substance, other in the solid four on that of Fina: will be found of all others the most valuable in this hamille disease



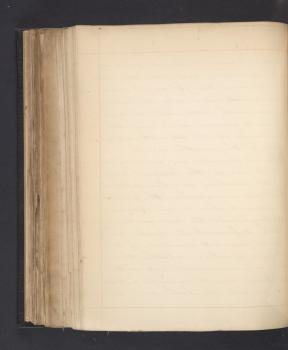
cine, which at first rous would appear enouseous, De binic has we should never begin with loss thouse one hundred deales of the in three or law aunces of shirts take about a fint during the trocate Lane hours. cial effects observed from this some in various spadmodie diseased



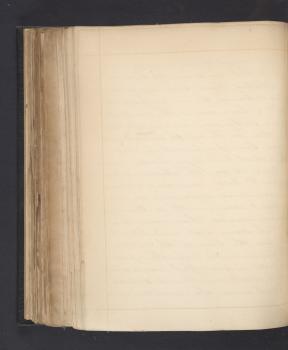
he very isofully confiloyed in totanus, I accordingly we find many practitional Speaking in the most favocable teents of the warm both, De Chalmers of V. Carolina especially, whose practice was very successful, principally depended an this, & large do bes of opinion; he advited his patients " to lie horizontally in the bath, I white in it to be ex out they are not to be siced, hat immediately just to bed, wrapped in the softest blankets, & while the remain there, the belly ought to be stuped, or two or three bladded filled with warm water hopt constantly to it. The wanth of the water says D. b if the



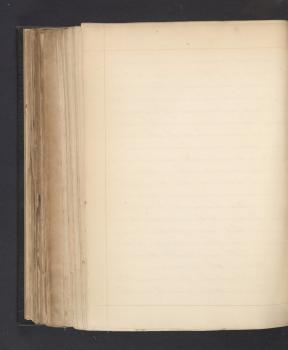
weather is warm & the findle quick with not be more the 96th or 98th dogue to be so waine as to raise the mercury to the 100 or 102° expecially if the weather is cold " to its use in this disease, I that is the motion necessarily attendant an immersion, the patient is much alive to all external impressions of the least exoction is often sufficient to excite the most wielent spadend; so that it is a question, whether the exec tion at movement which the patient must undergo in arder to get into the bath, will not



often counterbalance any good efects that can be expected from it. Blisters, have been used by some madilioners, the sie no wastance that I have met with, could the care he by any me and attributed to them, for the all the saper said to have been performed by blisters, the patient took large grantin of opium. Back He ine; the illustrians profepor D: Rich, candidara d'stames as sametimes depending an relay ation & consequently in these capity accommends those medicines which seem but calculated to restore the tone of the system; D. burie in his valuable reports, related a successful case in which the patient swallowed 110 bottles I hart wine, This succeeded whom



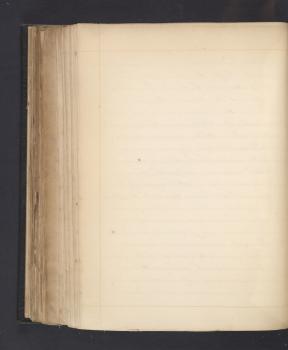
the patient was evidently sinking by the force of the disease, and aller opinion, mercury, the colar three he was worth. Whene I il ar electe, int have reason to believe wise will moderate the senema any effects of the opinion. 1. Mathartics, De Mamilton who has written a work on the



we of pury stine in diseases, speaks highly of catharties in detances, and thinks it probable that many of these caber reported as cured by various remedies, curex only by spening the Lowels, such for instance as the cold lath, mer cary & antispasmodis, his reasons for using them are 14 the soustifiated state of the to an attack of Valorens. 2. the probable effect of the heat indusing beliany disease, in which this chas of remedies are very weful. 8? the great advantage derived ham them in various spasmosis diseases as, Chorea, Hypteria Vele HI what he addices from the mactice of others, as presumptions

\* Besides it frequently happens that a stool council be obtained foren by the most powerful catherties! untill laine quantities of oping haves below taken, which seems to being about a general relay. ation. Morrison on Colonies.

pungations in detarned. It concainly is proper to keep the fouch regular in this disease, but it would be dangerous to bust to purysting alone to the exclusions of all other remedies # D' bullow believes that costivenes in this diseaso lis to be avoribed to the opinion employed for it care, but this I much doubt, as we mostly find it presented by workings befreamy ofener has been weed, It it alread those casses where no opinion whatour has been administed for its cure, and ou just now stated the brush sometimes remain ob: Hinately constipated till ofinen is glover, which releived them. Untispost modicis; bloodletting is contain



this class, but notivithestanding its in Octames; judging from the Hate of the circulatory system in this disease, this made of deptetion does not generally seem to be indicated, the Souls varying hat little from its healthy Handard, but where there discount to be a phlogistic diarthous is, D. Rush thinks it may be very advanta genusty employed. Backadow Jai, amber, much, Castor, apaterian obamples, with some advantage; they ought exclusion of opinion, but as in some measure aiding that article may



be unful anxilliaria.

commended the carious modes of heatment that have been furnisued in Votarras, I shall now as consisely as posible delives my opinion as to the hest mode of treating this disease. The level should be helt at her or helille to cathartic medicines I han outine in as the most valuable remede lains sugnitities of the ointment may be subject int, on the much, think on avilla, with repeated dofes of calamed or blue hill internally. Wine I ardont officits should be



ineso heeli, at the system is as indensible to their action in this disease as to that of other medicines I what in a state of health would muchas are action on the system. The Warm Bath; if one can be oftain'd that is large & commodicul may perhaps be found well When the disease it someone the system no doubt will be let in

